



# Platta i PA6.6 3000x500x12 mm natur

Artikelnr P1002146  
Material PA

## 1. Tekniskt datablad

| Egenskap                           | Värde            | Enhet               | Standard       |
|------------------------------------|------------------|---------------------|----------------|
| Densitet                           | 1.14             | g/cm³               | ISO 1183       |
| Sträckgränsspänning                | 85               | MPa                 | DIN EN ISO 527 |
| Elasticitetsmodul (drag)           | 3100             | MPa                 | ISO 527-2      |
| Brotttöjning                       | 40               | %                   | ISO 527-2      |
| Smältpunkt                         | 260              | °C                  | ISO 3146       |
| Maximal drifttemperatur (korttid)  | 175              | °C                  |                |
| Maximal drifttemperatur            | 95               | °C                  |                |
| Minsta temperatur                  | -30              | °C                  |                |
| Värmeförvrängning (HDT/A)          | 85               | °C                  | ISO 75-2       |
| Dielektrisk styrka                 | 27               | kV/mm               | IEC 60243-1    |
| Volymresistivitet                  | 10 <sup>14</sup> | Ω·cm                | IEC 60093      |
| Dielektrisk konstant (1 MHz)       | 3.55             | -                   | IEC 60250      |
| Dielektrisk konstant (100 Hz)      | 3.8              | -                   | IEC 60250      |
| Dielektrisk förlustfaktor (1 MHz)  | 0.02             | -                   | IEC 60250      |
| Dielektrisk förlustfaktor (100 Hz) | 0.0              | -                   | IEC 60250      |
| Böjhållfasthet                     | 998.3            | MPa                 | ISO 178        |
| Termisk konduktivitet              | 0.28             | W/(m·K)             | DIN 52612      |
| Ytresistivitet                     | 10 <sup>13</sup> | Ω                   | IEC 60093      |
| Jämförande krypströmsindex (CTI)   | 600              | V                   | IEC 60112      |
| Fuktabsorption till mättnad        | 2.4              | %                   | ISO 62         |
| Vattenabsorption till mättnad      | 8                | %                   | ISO 62         |
| Skårad slagseghet (Charpy)         | 6                | kJ/m²               | ISO 179/1eA    |
| Slagseghet (Charpy)                | 50               | kJ/m²               | ISO 179        |
| Termisk utvidgningskoefficient     | 0.8              | 10 <sup>-4</sup> /K | ISO 11359      |
| Hårdhet Shore D                    | 83               | ° Shore D           | DIN EN ISO 868 |

| Egenskap         | Värde | Enhet | Standard   |
|------------------|-------|-------|------------|
| Kultryckshårdhet | 174   | MPa   | ISO 2039-1 |

## 2. Kemisk beständighet

● Beständig   ● Delvis beständig   ● Ej beständig

| Kemikalie               | Konc.   | Resultat       |
|-------------------------|---------|----------------|
| 1,4-Dioxan              | 100     | <span>●</span> |
| 2-Hydroxypropionic Acid | 90      | <span>●</span> |
| Acetic Acid             | 100     | <span>●</span> |
| Aceton                  | 100     | <span>●</span> |
| Ammoniak                | conc.   | <span>●</span> |
| Ammonium Chloride       | -       | <span>●</span> |
| Amyl Alcohol            | -       | <span>●</span> |
| Apple Juice             | -       | <span>●</span> |
| Bensen                  | -       | <span>●</span> |
| Bleaching Solution      | 12.5 cl | <span>●</span> |
| Boric Acid              | 100     | <span>●</span> |
| Brake Fluid             | -       | <span>●</span> |
| Bränsle (aromatfritt)   | -       | <span>●</span> |
| Butyl Acetate           | -       | <span>●</span> |
| Calcium Chloride        | -       | <span>●</span> |
| Carbon Disulfide        | 100     | <span>●</span> |
| Carbon Tetrachloride    | -       | <span>●</span> |
| Citric Acid             | 10      | <span>●</span> |
| Cyklohexanon            | 100     | <span>●</span> |
| Cyklohexen              | 100     | <span>●</span> |
| Diesel Fuel             | -       | <span>●</span> |
| Diethylene Oxide        | -       | <span>●</span> |
| Ethyl Acetate           | 100     | <span>●</span> |
| Ethyl Alcohol           | 96      | <span>●</span> |
| Ethylene Chloride       | 100     | <span>●</span> |
| Fenol (vattenl.)        | ca. 9   | <span>●</span> |
| Food Oil                | -       | <span>●</span> |
| Formaldehyd (vattenl.)  | 40      | <span>●</span> |
| Formic Acid             | 10      | <span>●</span> |

| Kemikalie                        | Konc.     | Resultat |
|----------------------------------|-----------|----------|
| Frost Protection Agent           | -         | ●        |
| Glycerin                         | 100       | ●        |
| Glykol                           | 100       | ●        |
| Heating Oil                      | -         | ●        |
| Heptan                           | 100       | ●        |
| Hydrochloric Acid                | 10        | ●        |
| Hydrochloric Acid (concentrated) | conc.     | ●        |
| Hydrofluoric Acid                | 40        | ●        |
| Hydrogen Peroxide                | 10        | ●        |
| Hydrogen Sulfide (aqueous)       | -         | ●        |
| Isopropyl Alcohol                | 100       | ●        |
| Klor (gas)                       | 100       | ●        |
| Klorbensen                       | 100       | ●        |
| Kloroform                        | -         | ●        |
| Kresol                           | -         | ●        |
| Linseed Oil                      | -         | ●        |
| Merkurokrom                      | -         | ●        |
| Methyl Alcohol                   | 100       | ●        |
| Methyl Ethyl Ketone (MEK)        | 100       | ●        |
| Methylene Chloride               | 100       | ●        |
| Mineral Oils (aromatic free)     | -         | ●        |
| Mjölk                            | -         | ●        |
| Nitric Acid                      | 10        | ●        |
| Nitric Acid                      | 50        | ●        |
| Nitrobensen                      | -         | ●        |
| Oxalic Acid                      | -         | ●        |
| Ozone Gas                        | ≤ 0.5 ppm | ●        |
| Paraffine Oil                    | 100       | ●        |
| Perkloretylen                    | -         | ●        |
| Petroleum                        | 100       | ●        |
| Petroleum Ether                  | 100       | ●        |
| Phosphoric Acid                  | 50        | ●        |
| Potassium Hydroxide liquor       | 50        | ●        |
| Premium Fuel                     | -         | ●        |
| Propyl Alcohol                   | -         | ●        |

| Kemikalie                  | Konc.  | Resultat    |
|----------------------------|--------|-------------|
| Pyridin                    | -      | <div></div> |
| Silicone Oil               | -      | <div></div> |
| Sodium Carbonate (aqueous) | -      | <div></div> |
| Sodium Chloride (aqueous)  | -      | <div></div> |
| Sodium Hydrogen Sulfite    | -      | <div></div> |
| Sodium Hydroxide liquor    | 60     | <div></div> |
| Sodium Hydroxide liquor    | 15     | <div></div> |
| Sodium Nitrate (aqueous)   | -      | <div></div> |
| Sodium Thiosulfate         | -      | <div></div> |
| Sulfuric Acid              | 96     | <div></div> |
| Tetrahydrofuran (THF)      | 100    | <div></div> |
| Toluen                     | 100    | <div></div> |
| Transformer Oil            | -      | <div></div> |
| Trikloreten                | 100    | <div></div> |
| Vatten                     | -      | <div></div> |
| Xylen                      | -      | <div></div> |
| Ättika (standard)          | 5 - 10 | <div></div> |